# AT8400™ AllTouch® Remote Control
## User's Guide

If you program codes to control devices, record your codes here:

CBL CBL: _____

TV TV: _____

VCR VCR: _____

AUX AUX: _____

Scientific Atlanta

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# Welcome to the Ultimate Control Experience!

Your new AT8400™ AllTouch® Universal Remote Control (remote) is a true universal remote, functioning as four remotes in one. As one example, you can use this remote to operate your TV, VCR, cable box, and receiver.

# How Does A Universal Remote Control Work?

You tell the remote which type of device you want to operate using the four keys arched across the top of the remote. These keys, known as **mode keys**, are labeled **CBL**, **TV**, **VCR**, and **AUX**. Each mode key is associated with a specific device. As an example, if you want the remote to operate your TV, you simply press the TV key. Other keys you press on the remote thereafter should operate your TV. Want to switch the remote to operate a different device? Just press the mode key for the next device you want to operate. In this guide, you will learn which types of devices you can control and how to program the remote to control your specific devices.

**Note:** Some remote keys may not operate in all modes. You can even program your remote to assign specific functions, such as channel control, to operate one device only. You will learn more about these advanced functions later in this guide.

# Where Do I Start?

Before you begin programming your remote, complete the following initial setup tasks.

## Install the Batteries

The remote requires two AA batteries (alkaline recommended). A diagram in the battery compartment of the remote indicates proper placement of the batteries. When batteries are properly installed, the light on the remote blinks each time a key is pressed.

## Visit the Quick Reference

Timing is often important when you program advanced features. Therefore, knowing where certain keys are on the remote gives you an edge in pressing the right key at the right time.

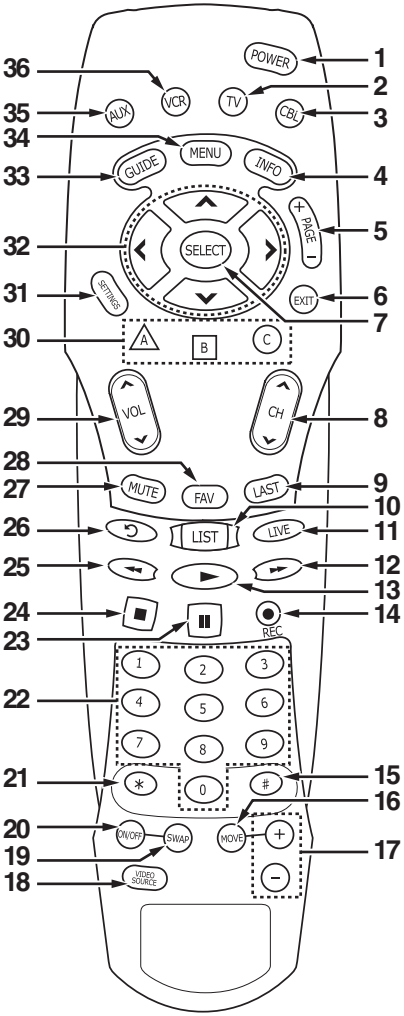
## Find a Place to Store Your Remote

Keeping up with one remote is much easier than keeping up with four remotes. However, it is still a good idea to find a storage location for your remote. The AT8400 AllTouch Remote Control is not a toy. It should be kept out of the reach of children under the age of 6 years.

# Important Information About Power Control

Scientific-Atlanta strongly recommends that you turn off your cable box every time you turn off your TV. To make this easier, you can program your remote to turn both devices on or off at the same time. After you program the remote to control your four favorite entertainment devices, see **Change Power Control** to learn more about programming your remote to control power for the TV and cable box at the same time.

# Quick Reference




T9857

## Device Control

**1** (POWER) Powers on or off

**35** (AUX) AUX Mode key

**36** (VCR) VCR Mode key

**2** (TV) TV Mode key

**3** (CBL) Cable Mode key

## Sound

**29** (VOL) Adjusts volume

**27** (MUTE) Mutes sound

## Viewing and Browsing Control

**33** GUIDE Displays the program guide

**34** MENU Displays the Applications Menu

**4** INFO Displays channel and program information

**5** + PAGE – Navigates through settings or the program guide

**32** Moves through selections

**7** SELECT Selects and deselects screen item

**31** SETTINGS Displays the General Settings or Quick settings menus

**6** EXIT Exits settings, menus, and guides

**30** A B C Selects options in menus and the program guide

**8** Selects channel, up or down

**28** FAV Views favorite channels

**9** LAST Returns to last channel viewed

**22** Enters channel numbers and remote codes (also enters your parental control PIN)

**21** * Reserved for future use

**15** # Reserved for future use

## DVR Control

**26** Replays the previous few seconds of a program

**10** LIST Displays a list of programs that you have recorded, so that you can select one for viewing

**11** LIVE Displays live television programming

## VCR/VOD (Video On Demand) Control

***Note:*** *In VCR mode, these keys control your VCR.*

**25** Rewinds VCR/VOD

**13** Plays VCR/VOD

**12** Fast forwards VCR/VOD

**24** Stops VCR/VOD

**23** Pauses VCR/VOD

**14** REC Records program

## PIP (Picture In Picture) Control

**20** ON/OFF Opens or closes the PIP window

**19** SWAP Swaps the contents of the PIP window and the main viewing screen so that the PIP window displays on the main screen

**16** MOVE Moves the PIP window to another location on the screen

**17** + – Selects the channels in the PIP window, up or down

**18** VIDEO SOURCE Selects the video source

# What Devices Can I Control?

The **mode keys** arched across the top of the remote tell the remote which device you want to operate.

Each mode key is associated with different groups of devices. You can use each mode key to control *one* of its associated devices:

| Mode Key | Associated Devices |
|---|---|
| **CBL** | cable boxes and satellites |
| **TV** | TVs and HDTVs |
| **VCR** | VCRs, DVD players, PVRs (personal video recorders), and CD players |
| **AUX** | receivers, amplifiers, and tuners |

# What Devices Do I Want to Control?

Record the devices (including brand) you want to control here:

1_____ 3_____

2_____ 4_____

Does each mode key relate to only one of your devices? If yes, go to **Program the Remote to Control My Devices**. Otherwise, reassign mode keys to match your combination of devices.

# Reassign Mode Keys

If you are a big movie fan, you may want to control two video recording devices. Perhaps you have a DVD player and a VCR, or a VCR/DVD combination device. How can you control both the VCR and the DVD player when you only have one VCR key? With the AT8400, you can reassign a mode key to operate in a different mode. For example, you can reassign the AUX key to operate in VCR mode. Then, you can program the AUX key to control your DVD player. You can reassign the AUX key, the VCR key, or both. The TV key and the CBL key cannot be reassigned.

## Reassigning Mode Keys (Program Code 9 9 2)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 2**. The CBL mode key blinks twice.
3. Press the mode key associated with the type of device you want to control, and then press the mode key that you want to change. All mode keys blink three times.

   **Some Common Examples**

   - To program the AUX key to operate in VCR mode, press **VCR** and then **AUX**.
   - To program the VCR key to operate in TV mode, press **TV** and then **VCR**.
4. When finished, go to **Program the Remote to Control My Devices**.

# Program the Remote to Control My Devices

Try to use your remote to control your devices. If the remote does not work for a device, you can assign a different device code to the appropriate mode key. If the remote provides only limited functionality for a device, you can look for a code that provides more functionality. Before you begin, make sure you know the brand name of the device you want to control.

**Note:** Some remote keys may be assigned to operate one device type only. For example, volume control may be assigned to the TV only. If this is the case, you can reprogram power, volume, and channel control using procedures later in this guide.

## Assigning a Different Device Code to a Mode Key

1. Find the codes for your brand of device in the appropriate setup code list at the end of this guide. For example, look under **TV Group** if you need to program the remote to operate your TV.
2. Turn on your device.
3. Press and hold **SELECT** and the appropriate mode key until all of the mode keys blink twice. For example, to set up the TV, press and hold **SELECT** and **TV**.
   **Note:** If you reassigned mode keys, you may, for example, press **SELECT** and **VCR** to program the VCR mode key with a TV code.
4. Enter the first setup code for the device. All mode keys blink twice to indicate that the code entry was accepted.
5. Point the remote at the device, and press **POWER**, , or

to test the device.
6. Did the device operate correctly?
   - If **yes**, write down the code that worked on the cover of this guide. You may need it again if the device code is accidentally erased.
   - If **no**, repeat these steps using a different setup code.

     **Note:** If none of the codes listed for your brand of device operate the device correctly, go to **What If None of the Codes Work** for instructions.
7. Repeat this procedure for each mode key you want to program.

# What If None of the Codes Work?

If none of the codes listed for your brand of device operate the device correctly, you can search through the code library for a valid code.

## Improving Your Reaction Time

When you search the code library, you need to be ready to press **SELECT** as soon as the remote turns off your device. Therefore, make sure you are familiar with the location of the SELECT key before you begin this procedure.

## Sizing Up The Libraries

The mode keys blink twice when the remote reaches the last code in a library. You do not need to count codes. However, knowing the size of each library will help you determine how long it will take to cycle through all of the codes in the library. Each library contains the following number of codes:

- CBL mode: 15
- TV mode: 184
- VCR mode: 176
- AUX mode: 21

## Searching the Code Library (Program Code 9 9 1)

1. Turn on the device.
2. Press and hold **SELECT** and the appropriate mode key (**CBL**, **TV**, **VCR**, or **AUX**) until the mode keys blink twice. For example, to search for a TV code, press and hold **SELECT** and **TV** at the same time.
   **Note:** If you reassigned mode keys, you may, for example, press **SELECT** and **VCR** to search for a TV code to assign to the VCR mode key.
3. Press **9 9 1**. The mode key you selected in step 2 blinks twice.
4. Point the remote toward the device, and press ⊂►⊃. The remote automatically tests each code in its library, beginning with the most common codes. The mode key blinks once each time the remote transmits a new code. The mode key blinks twice when it reaches the last code.
5. As soon as the device powers off, press **SELECT**.
6. Verify the new code is correct by pressing **POWER**.
7. Did the device power on again?
   - If **yes**, press **SELECT** to assign the code.
   - If **no**, complete the following steps:
     a) Turn the device on.
     b) Press CH or CH to step forward or back to the correct code.
     c) When the device turns off, press **SELECT** to assign the code.
8. Go to **Which Code Worked** to identify the code that controls your device. After you identify the code, record the code in the space provided on the cover of this guide.

# Which Code Worked?

Find out which code programmed the mode key to control your device.

## Finding the Code That Worked (Program Code 9 9 0)

1. Press and hold **SELECT** and the appropriate mode key (**CBL**, **TV**, **VCR**, or **AUX**) until all mode keys blink twice.
2. Press **9 9 0**. The mode key you selected in step 1 blinks twice.
3. Press **1**; then, count the number of times the mode key blinks. The number of blinks indicates the first digit in the code. For example, 4 blinks indicates the first digit in the code is 4. If the mode key does not blink, the digit is 0.
4. Press **2**; then, count the number of times the mode key blinks. This number indicates the second number in the code.
5. Press **3**; then, count the number of times the mode key blinks. This number indicates the third number in the code.
6. Press **4**; then, count the number of times the mode key blinks. This number indicates the fourth number in the code.

   After all four numbers in the code are identified, all mode keys blink three times.
7. Record the code in the space provided on the cover of this guide. You may need it again if the device code is accidentally erased.

# Change Power Control

Your remote is originally programmed in one of the following ways:

- The remote controls power for only one device at a time. For example, in CBL mode the POWER key controls the cable box only. However, in TV mode, the POWER key controls the TV only.
- The remote controls power for either one device or for multiple devices at once, based on the selected mode. For example, in CBL mode, the POWER key controls both the cable box and the TV at the same time.

Before you change how power control works, try your remote to see how the power control currently works. When trying out your remote, keep in mind that the remote provides a temporary override for power control. For example, if you press the TV key and then the POWER key within 3 seconds, the remote turns on the TV only, regardless of the programmed power settings. To see how the remote is originally programmed, wait at least 5 seconds before pressing the POWER key after you press any mode key.

Does your remote already control power for your cable box and TV at the same time? If not, Scientific-Atlanta strongly recommends that you program the remote to turn off the cable box each time you turn off your TV. Turning off the cable box is especially important for high-end cable boxes that contain hard drives for recording and storing TV programs and movies. Not only will you reduce wear and tear from the hard disk spinning constantly, but you'll also conserve electricity. As long as the cable box remains plugged in, the cable box will receive programming updates, and, if applicable, record programs and movies.

## Controlling Power for Multiple Devices at Once (Program Code 9 9 8)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 8**. The CBL key blinks twice.
3. Press the mode key for the first device in the group of devices you want to power on and off at once. The CBL key blinks twice.
4. Press the mode key for the second device in your power group. The CBL key blinks twice.
5. If you want the remote to control power for 3 or 4 devices at once, press the mode keys for the next devices you want to add to the power group. The CBL key blinks twice after each mode key is pressed.
6. Press **SELECT** to save your power settings. All mode keys blink three times.

## Want An Example?

If you want to control power for the TV and the cable box at the same time, you would do the following:

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 8**. The CBL key blinks twice.
3. Press **TV**. The CBL key blinks twice.
4. Press **CBL**. The CBL key blinks twice.
5. Press **SELECT**. All mode keys blink three times.

In this example, the remote will function in the following ways:

- When you are in TV mode *or* CBL mode, the POWER key controls both the cable box and the TV.
- When you are in VCR mode, the POWER key controls the VCR device only.
- When you are in AUX mode, the POWER key controls the auxiliary device only.

## Controlling Power for One Device at a Time (Program Code 9 9 8)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 8**. The CBL key blinks twice.
3. Press **SELECT** to save your power settings. All mode keys blink three times.

After you select a mode, the POWER key controls the device assigned to that mode. For example, in TV mode, the remote controls power for the TV only.

## Important Power Tips

- At a minimum, Scientific-Atlanta *strongly* recommends that you program the remote to turn off the cable box each time you turn off your TV.
- When you "turn off" the cable box using the remote control, you are actually putting the box in a power saving mode. As long as the cable box remains plugged in, it will continue to receive programming updates and, if applicable, record programs and movies.
- If your POWER key controls multiple devices at once, the remote returns to the CBL mode after the devices are powered on or off.
- If your POWER key controls multiple devices at once, you can override this setting by pressing the desired mode key and then pressing POWER within 3 seconds. For example, if you press the VCR key and then the POWER key within 3 seconds, the remote turns just the VCR on or off, regardless of the programmed power settings.

# Change Volume Control

Your remote is originally programmed in one of the following ways:

- The remote controls volume for one device, such as your TV, whether the remote is in TV, VCR, or CBL mode. The AUX mode always retains separate volume control.
- The remote controls volume for different devices, depending on the mode key you press. For example, in CBL mode, the volume keys control the cable box. However, in TV mode, the volume keys control the TV.

Try your remote to see how the volume control currently works. The volume keys include , and **MUTE**. If you want to change the volume control, complete the procedure that fits your needs.

## Controlling Volume for One Device (Program Code 9 9 3)

**Note:** If you want to assign volume control to a Scientific-Atlanta cable box, complete the following prerequisite steps. Press **SETTINGS** to access the General Settings on-screen menu. Then, verify that the Audio: Volume Control setting is set to **Variable**.

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 3**. The CBL key blinks twice.
3. Press the mode key for the device the volume keys should control. For example, if you want to control volume through your TV, press TV. All mode keys blink three times.

The volume keys control only one device whether you are in CBL, TV, or VCR mode.

**Note:** In AUX mode, the remote always controls volume for the device assigned to the AUX key.

## Controlling Volume for Different Devices (Program Code 9 9 3)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 3**. The CBL key blinks twice.
3. Press **SELECT**. All mode keys blink three times.

After you select a mode, the volume keys control the device assigned to that mode. For example, in TV mode, the volume keys control volume for the TV only.

# Change Channel Control

Your remote is originally programmed in one of the following ways:

- The remote controls channels for a single device, such as the cable box, whether the remote is in CBL, VCR, or TV mode. The AUX mode always retains separate channel control.
- The remote controls channels for different devices, depending on the mode key you press.

Try your remote to see how the channel control currently works. The channel keys include , , **Digits 0-9**, **LAST**, and **FAV**. If you want to change the channel control, complete the procedure that fits your needs.

**Tip:** Consider programming the remote to control channels for just the cable box to ensure you do not accidentally tune off the proper channel for the TV (usually channel 3 or 4).

## Controlling Channels For One Device (Program Code 9 9 7)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 7**. The CBL key blinks twice.
3. Press the mode key associated with the device you want the channel keys to control. For example, if you want to assign channel control to your TV only, press TV. All mode keys blink three times.

The channel keys now always control the device associated with the mode you selected in this step, whether in TV, CBL, or VCR mode.

**Note:** In AUX mode, the remote always controls channels for the device assigned to the AUX key.

## Controlling Channels For Different Devices (Program Code 9 9 7)

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 9 7**. The CBL key blinks twice.
3. Press **SELECT**. All mode keys blink three times.

The channel keys now control the device associated with the mode key you select. For example, in TV mode, the channel keys control the TV, but in CBL mode, the channel keys control the cable box.

# Put It Back the Way I Got It

Return specific advanced functions or all advanced functions back to their original settings. Choose the procedure that fits your needs.

**Important:** Your cable service provider may have programmed the dual power control feature for your convenience. Therefore, if you reset the power control, you may need to program the remote to control the power for the cable box and TV at the same time.

## Resetting Mode Keys (Program Code 9 9 2)

You can reprogram the VCR key and the AUX key to operate in their original modes.

1. Press and hold **CBL** and **SELECT** until all mode keys blink twice.
2. Press **9 9 2**. The CBL key blinks twice.
3. Do one of the following:
   - If you are returning the VCR key to its original state, press **VCR** twice.
   - If you are returning the AUX key to its original state, press **AUX** twice.

   All mode keys blink three times.
4. Repeat this procedure if you want to return both keys to their original modes.

## Resetting Device Codes and Mode Keys (Program Code 9 7 7)

Follow this procedure to return programmed device codes and mode keys to their original settings. This procedure erases device codes you programmed. In addition, this procedure returns all reassigned mode keys to their original operation.

This reset procedure does not reset any changes you made to power, volume, or channel control.

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 7 7**. All mode keys blink three times. Then, after a few seconds the CBL key blinks twice.

## Resetting Power, Volume, and Channel Control (Program Code 9 8 0)

Follow this procedure to return power, volume, and channel control to their original settings. This reset procedure does not reset any device codes you programmed or affect mode key reassignments.

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 8 0**. All mode keys blink three times.

## Resetting All Changes (Program Code 9 8 1)

Follow this procedure to return the remote completely back to its original settings.

1. Press and hold **SELECT** and **CBL** until all mode keys blink twice.
2. Press **9 8 1**. All mode keys blink three times. Then, after a few seconds the CBL key blinks twice.

# Code Tables

If the remote does not recognize your device, you can find codes for your device by brand. With combination devices (such as a TV with a built-in DVD player), you have separate codes for each device component. Therefore, for ease of use, the combination device codes are listed first. All other code tables are organized by devices assigned to each mode (CBL, TV, VCR, AUX).

## Combination Devices

If you have a combination device, you may need to reassign the AUX key to operate one of the devices. See **Reassign Mode Keys** for more information. The following tables provide some examples of combination devices. If your combination device is not listed, simply look for the codes for each separate device.

### DVD/VCR Combo Codes

| Brand | DVD Code | VCR Code | Model |
|---|---|---|---|
| Go Video | 2141 | 2038 | DVR5000 |
| Go Video | 2147 | 2044 | DVR4200 |
| JVC | 2142 | 2039 | HRXVC1U |
| RCA | 2143 | 2040 | VC125HF |
| Samsung | 2144 | 2041 | DVD-V2000 |
| Sanyo | 2145 | 2042 | DVW5000 |
| Zenith | 2146 | 2043 | XBV243 |

### TV/DVD Combo Codes

| Brand | TV Code | DVD Code | Model |
|---|---|---|---|
| Broksonic | 1181 | 2148 | SC975 |
| RCA | 1182 | 2149 | BD20TF10 |
| Toshiba | 1183 | 2150 | MD20FL3 |

### CBL Group: Cable and Satellite Devices

**Cable Codes**

| **Scientific-Atlanta** | **0000, 0001, 0002, 0003, 0004, 0005, 0006** |
|---|---|
| ABC | 0010 |
| GE | 0010 |
| Gemini | 0011 |
| General Instruments | 0010 |
| Hitachi | 0010 |
| Jerrold | 0010, 0011 |
| Motorola | 0007, 0008* |
| Pioneer | 0009 |
| Proscan | 0010 |
| Signature | 0010 |
| Starcom | 0011 |
| Stargate | 0011 |

**Satellite Codes**

| | |
|---|---|
| Dishnet | 0013 |
| Echostar | 0014 |
| GE | 0012 |
| Proscan | 0012 |
| RCA | 0012 |

*Use or when testing this code.

## TV Group: TVs and HDTVs

| TV Codes | |
|---|---|
| Admiral | 1001, 1139, 1159 |
| Aiko | 1014 |
| Akai | 1002 |
| Amtron | 1034 |
| Anam National | 1003, 1034 |
| AOC | 1004, 1005, 1006, 1007, 1140, 1141, 1153 |
| Apex | 1180 |
| Audiovox | 1034 |
| Bell & Howell | 1001, 1042, 1062 |
| Broksonic | 1181 |
| Carver | 1000 |
| Celebrity | 1002 |
| Citizen | 1004, 1006, 1008, 1014, 1034, 1062, 1087, 1137, 1160 |
| Colortyme | 1004, 1006, 1009 |
| Contec/Cony | 1010, 1011, 1012, 1034 |
| Craig | 1034 |
| Crosley | 1000 |
| Crown | 1034 |
| Curtis Mathes | 1000, 1004, 1006, 1013, 1042, 1053, 1062, 1087, 1137, 1160, 1167 |
| Daewoo | 1004, 1005, 1006, 1014, 1015, 1016, 1103, 1137, 1151 |
| Daytron | 1004, 1006, 1137 |
| Dimensia | 1053 |
| Dumont | 1004, 1122 |
| Electroband | 1002 |
| Electrohome | 1002, 1003, 1004, 1006, 1017, 1018 |
| Emerson | 1004, 1006, 1010, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1042, 1062, 1101, 1137, 1142, 1143, 1152, 1168 |
| Envision | 1004, 1006 |
| Fisher | 1041, 1042, 1043, 1062, 1144 |
| Fujitsu | 1040 |
| Funai | 1034, 1040 |

| TV Codes | |
|---|---|
| GE | 1003, 1004, 1006, 1018, 1044, 1045, 1046, 1053, 1072, 1132, 1133, 1134, 1145, 1161 |
| Goldstar | 1004, 1005, 1006, 1010, 1017, 1047, 1048, 1049, 1126, 1127, 1137, 1138 |
| Hallmark | 1004, 1006 |
| Hitachi | 1004, 1006, 1010, 1011, 1012, 1050, 1051, 1052, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1143, 1154, 1166, 1169 |
| Infinity | 1000 |
| JBL | 1000 |
| JC Penney | 1004, 1005, 1006, 1008, 1011, 1018, 1044, 1045, 1048, 1049, 1053, 1061, 1072, 1086, 1087, 1104, 1137, 1138, 1145 |
| Jensen | 1004, 1006 |
| JVC | 1010, 1011, 1012, 1045, 1051, 1054, 1055, 1056, 1128, 1129, 1146, 1168 |
| Kawasho | 1002, 1004, 1006 |
| Kenwood | 1004, 1006, 1017 |
| Kloss Novabeam | 1034, 1057, 1058 |
| KTV | 1034, 1059, 1137, 1142 |
| LG | 1005 |
| Logik | 1001 |
| Luxman | 1004, 1006 |
| LXI | 1000, 1006, 1042, 1053, 1060, 1061, 1062, 1145 |
| Magnavox | 1000, 1004, 1006, 1008, 1017, 1057, 1058, 1063, 1064, 1065, 1073, 1106, 1107, 1108 |
| Majestic | 1001 |
| Marantz 1050, 1066 | 1000, 1004, 1006, |
| Megatron | 1006, 1050 |
| Memorex | 1001, 1005, 1006, 1042, 1062 |
| MGA | 1004, 1005, 1006, 1017, 1018, 1043, 1067, 1068 |

| TV Codes | |
|---|---|
| Mitsubishi | 1004, 1005, 1006, 1017, 1018, 1043, 1067, 1068, 1069, 1102 |
| Montgomery Ward | 1001 |
| Motorola | 1003, 1139 |
| MTC | 1004, 1005, 1006, 1087 |
| Multitech | 1034 |
| Multivision | 1070 |
| NAD | 1006, 1060, 1061, 1147, 1166 |
| NEC | 1003, 1004, 1005, 1006, 1009 |
| Nikko | 1006, 1014 |
| Onwa | 1034 |
| Optimus | 1147, 1166 |
| Optonica | 1079, 1139 |
| Orion | 1031, 1152 |
| Panasonic | 1003, 1045, 1136, 1162 |
| Philco | 1000, 1003, 1004, 1005, 1006, 1008, 1010, 1017, 1057, 1058, 1063, 1065 |
| Philips | 1000, 1003, 1004, 1008, 1010, 1017, 1057, 1058, 1063, 1071, 1072, 1073, 1074 |
| Pioneer | 1004, 1006, 1075, 1076, 1143, 1147, 1166 |
| Portland | 1004, 1005, 1006, 1014, 1137 |
| Price Club | 1087 |
| Prism | 1045 |
| Proscan | 1053, 1145 |
| Proton | 1004, 1006, 1010, 1077 |
| Quasar | 1003, 1045, 1059, 1078, 1162 |
| Radio Shack | 1042, 1062 |
| Radio Shack/ Realistic | 1004, 1006, 1010, 1034, 1042, 1053, 1062, 1079, 1137, 1138 |
| RCA | 1003, 1004, 1005, 1006, 1007, 1017, 1053, 1080, 1081, 1082, 1083, 1084, 1085, 1105, 1143, 1145, 1148, 1149, 1151, 1155, 1163, 1167, 1170, 1182 |
| Realistic | 1042, 1062 |

| TV Codes | |
|---|---|
| Runco | 1122 |
| Sampo | 1004, 1006, 1137, 1138 |
| Samsung | 1004, 1005, 1006, 1010, 1013, 1017, 1086, 1087, 1088, 1137, 1138, 1156 |
| Sansui | 1152 |
| Sanyo | 1004, 1041, 1042, 1062, 1068, 1089, 1090, 1135, 1144 |
| Scott | 1004, 1006, 1010, 1020, 1031, 1034, 1040 |
| Sears | 1000, 1004, 1006, 1011, 1012, 1017, 1040, 1041, 1042, 1043, 1053, 1055, 1060, 1061, 1062, 1091, 1092, 1144, 1145, 1150 |
| Sharp | 1004, 1006, 1010, 1022, 1025, 1079, 1093, 1094, 1095, 1100, 1137, 1139 |
| Signature | 1001 |
| Sony | 1002, 1157, 1164, 1165 |
| Soundesign | 1004, 1006, 1008, 1034, 1040 |
| Starlite | 1034 |
| Sylvania | 1000, 1004, 1006, 1008, 1017, 1057, 1058, 1063, 1064, 1065, 1073, 1096, 1131 |
| Symphonic | 1029, 1034, 1150 |
| Tandy | 1139 |
| Tatung | 1003 |
| Technics | 1045 |
| Techwood | 1004, 1006, 1045 |
| Teknika | 1000, 1001, 1004, 1005, 1006, 1008, 1010, 1011, 1012, 1014, 1034, 1040, 1064, 1087, 1136, 1137, 1162 |
| Telecaption | 1097 |
| Toshiba | 1042, 1060, 1061, 1062, 1087, 1091, 1097, 1098, 1130, 1131, 1183 |
| Totevision | 1137 |
| Universal | 1044, 1072 |
| Vidikron | 1000 |

| TV Codes | |
|---|---|
| Wards | 1000, 1001,1004, 1005, 1006, 1017, 1020, 1029, 1040, 1044, 1053, 1057, 1058, 1063, 1064, 1072, 1073, 1079, 1099 |
| Yamaha | 1004, 1005, 1006, 1017 |
| Zenith | 1001, 1004, 1122, 1123, 1124, 1125, 1158 |

| HDTV Codes | |
|---|---|
| JVC | 1175 |
| Panasonic | 1179 |
| Samsung | 1178 |
| Sony | 1174, 1176, 1177 |
| Thomson | 1171 |
| Toshiba | 1172, 1173 |

## VCR Group: VCR, PVR, CD, and DVD Devices

| VCR Codes | |
|---|---|
| Admiral | 2035, 2047 |
| Aiko | 2018 |
| Aiwa | 2017 |
| Akai | 2002, 2003, 2004, 2031, 2032 |
| Audiovox | 2010 |
| Bell & Howell | 2007 |
| Broksonic | 2008 |
| Calix | 2010 |
| Canon | 2014, 2015 |
| Capehart | 2030 |
| Carver | 2000 |
| CCE | 2018, 2024 |
| Citizen | 2009, 2010, 2011, 2012, 2013, 2018, 2045 |
| Colortyme | 2005 |
| Craig | 2009, 2010, 2016, 2024 |
| Curtis Mathes | 2005, 2009, 2012, 2013, 2014, 2015, 2025, 2046 |
| Daewoo | 2011, 2017, 2018, 2030, 2045 |
| Daytron | 2030 |
| Dimensia | 2025, 2046 |
| Electrohome | 2010, 2019 |
| Emerson | 2002, 2008, 2010, 2011, 2014, 2017, 2019, 2026, 2032 |
| Fisher | 2007, 2016, 2020, 2021 |
| Fuji | 2003, 2014 |
| Funai | 2017 |
| Garrard | 2017 |
| GE | 2001, 2009, 2014, 2015, 2025, 2046 |
| Go Video | 2038, 2044 |
| Goldstar | 2005, 2010, 2013 |
| Gradiente | 2017 |
| Harman Kardon | 2000, 2005 |
| Harwood | 2024 |
| Hitachi | 2022, 2023, 2029, 2031 |
| JC Penney | 2005, 2006, 2007, 2008, 2009, 2010, 2014, 2015, 2022, 2023, 2024, 2029 |
| Jensen | 2022, 2023, 2031 |
| JVC | 2005, 2006, 2007, 2013, 2031, 2033, 2039 |

| VCR Codes | |
|---|---|
| Kenwood | 2005, 2006, 2007, 2012, 2013, 2031, 2033 |
| KLH | 2024 |
| Kodak | 2010, 2014 |
| LG | 2010 |
| Logik | 2024 |
| LXI | 2010 |
| Magnavox | 2000, 2014, 2015, 2028 |
| Marantz | 2000, 2005, 2006, 2007, 2012, 2013, 2014 |
| Matsushita | 2014 |
| Memorex | 2007, 2009, 2010, 2014, 2016, 2017, 2028, 2035, 2047 |
| MGA | 2019, 2026, 2032 |
| Minolta | 2022, 2023, 2029 |
| Mitsubishi | 2019, 2022, 2023, 2026, 2032, 2033 |
| Montgomery Ward | 2035, 2047 |
| Motorola | 2014, 2035, 2047 |
| MTC | 2009 |
| Multitech | 2009, 2012, 2017, 2024 |
| NEC | 2005, 2006, 2007, 2012, 2013, 2031, 2033 |
| Nikko | 2010 |
| Noblex | 2009 |
| Olympus | 2014 |
| Optimus | 2010, 2035, 2047 |
| Optonica | 2027 |
| Panasonic | 2014, 2015 |
| Pentax | 2012, 2022, 2023, 2029 |
| Pentex Research | 2013 |
| Philco | 2014, 2015 |
| Philips | 2000, 2014, 2027 |
| Pioneer | 2006, 2022, 2033 |
| Portland | 2012, 2030, 2045 |
| Proscan | 2001, 2025, 2046 |
| Quasar | 2014, 2015 |
| Radio Shack | 2010, 2027, 2047 |
| Radio Shack/ Realistic | 2007, 2009, 2010, 2014, 2015, 2016, 2017, 2019, 2020, 2021, 2027, 2035 |
| Radix | 2010 |
| RCA | 2001, 2002, 2009, 2014, 2022, 2023, 2025, 2029, 2040, 2046 |

| VCR Codes | |
|---|---|
| Realistic | 2007, 2009, 2010, 2011, 2014, 2015, 2016, 2017, 2019, 2020, 2021, 2027, 2035, 2047 |
| Ricoh | 2034 |
| Runco | 2028 |
| Samsung | 2004, 2009, 2011, 2041 |
| Sansui | 2006, 2031, 2033 |
| Sanyo | 2007, 2009, 2016, 2042 |
| Scott | 2008, 2011, 2026 |
| Sears | 2007, 2010, 2014, 2016, 2020, 2021, 2022, 2023, 2029 |
| Sharp | 2019, 2027, 2035, 2045, 2047 |
| Shintom | 2003, 2023, 2024 |
| Signature | 2035, 2047 |
| Singer | 2014, 2024, 2034 |
| Sony | 2003 |
| STS | 2014, 2029 |
| Sylvania | 2000, 2014, 2015, 2017, 2026 |
| Symphonic | 2017 |
| Tandy | 2007 |
| Tashiko | 2010 |
| Tatung | 2031 |
| Teac | 2017, 2031 |
| Technics | 2014 |
| Teknika | 2010, 2014, 2017 |
| Toshiba | 2011, 2020, 2022, 2026, 2032 |
| Totevision | 2009, 2010 |
| Unitech | 2009 |
| Vector Research | 2005, 2006, 2011, 2012 |
| Video Concepts | 2005, 2006, 2011, 2012, 2032 |
| Wards | 2000, 2009, 2010, 2011, 2014, 2016, 2017, 2019, 2022, 2023, 2024, 2027, 2029, 2035, 2047 |
| XR-1000 | 2014, 2017, 2024 |
| Yamaha | 2005, 2006, 2007, 2013, 2031 |
| Zenith | 2003, 2028, 2034, 2043 |

**PVR Codes**

| | |
|---|---|
| Echostar | 2037 |
| Philips | 2036 |

**CD Codes**

| | |
|---|---|
| ADC | 2166 |
| Aiwa | 2151 |
| Akai | 2167 |
| Emerson | 2152 |
| Fisher | 2153 |
| GE | 2169 |
| Hitachi | 2154 |
| JVC | 2155 |
| Kenwood | 2156 |
| Marantz | 2158 |
| Mitsubishi | 2170 |
| Nakamichi | 2172 |
| NEC | 2157 |
| Onkyo | 2159 |
| Panasonic | 2160 |
| Pioneer | 2161 |
| RCA | 2162 |
| Sanyo | 2175 |
| Sears | 2168 |
| Sherwood | 2173 |
| Sony | 2163 |
| Teac | 2174 |
| Technics | 2164 |
| Toshiba | 2171 |
| Yamaha | 2165 |

**DVD Codes**

| | |
|---|---|
| Aiwa | 2057, 2070 |
| Alpine | 2071 |
| Apex | 2068, 2069, 2072, 2073 |
| BOSE | 2140 |
| Broksonic | 2074, 2148 |
| Clarion | 2075 |
| Classic | 2076 |
| Daewoo | 2077 |
| Denon | 2078, 2079, 2080, 2081 |
| Emerson | 2082, 2083 |
| Fisher | 2084 |
| Funai | 2083 |
| GE | 2048, 2085*, 2086 |
| Go Video | 2141, 2147 |
| GPX | 2087 |
| Hitachi | 2056, 2088, 2089, 2090, 2091 |
| JVC | 2050, 2058, 2092, 2142 |
| Kenwood | 2093 |
| Konka | 2059, 2060 |
| Magnavox | 2051, 2094 |
| Memorex | 2095 |
| Mintek | 2096 |
| Mitsubishi | 2052 |
| NAD | 2082 |
| Nakamichi | 2097 |
| Norcent | 2098, 2099 |

**DVD Codes**

| | |
|---|---|
| Onkyo | 2100 |
| Oritron | 2114 |
| Panasonic | 2061, 2101, 2102, 2103, 2104, 2105, 2106 |
| Philips | 2051, 2067, 2107 |
| Pioneer | 2053, 2108, 2109, 2110, 2111 |
| Proscan | 2048, 2112 |
| Qwestar | 2113, 2114 |
| RCA | 2048, 2049*, 2115, 2143, 2149 |
| Sampo | 2116 |
| Samsung | 2117, 2118, 2119, 2144 |
| Sansui | 2120 |
| Sanyo | 2062, 2121, 2145 |
| Sharp | 2122, 2123 |
| Sherwood | 2124 |
| Sony | 2054, 2063, 2064, 2125, 2126, 2127, 2128, 2129 |
| Sylvania | 2083 |
| Teac | 2130 |
| Technics | 2131 |
| Techwood | 2132 |
| Toshiba | 2055, 2065, 2133, 2134, 2135, 2150 |
| Yamaha | 2136, 2137, 2138 |
| Zenith | 2066, 2139, 2146 |

*Use ► when testing this code.

## AUX Group: Receivers, Amplifiers, and Tuners

**AUX Device Codes**

| | |
|---|---|
| Aiwa | 3000, 3001, 3002, 3003, 3004, 3014, 3020 |
| Carver | 3000 |
| Harman Kardon | 3000, 3013 |
| JBL | 3013 |
| JVC | 3005 |

**AUX Device Codes**

| | |
|---|---|
| Kenwood | 3006 |
| Linn | 3000 |
| Maganvox | 3000 |
| Marantz | 3000 |
| Onkyo | 3015 |
| Panasonic | 3016, 3017 |
| Philips | 3000 |
| Pioneer | 3012* |

**AUX Device Codes**

| | |
|---|---|
| RCA | 3007 |
| Sansui | 3000 |
| Sherwood | 3019 |
| Sony | 3008, 3009, 3018 |
| Technics | 3016, 3017 |
| Wards | 3000, 3012* |
| Yamaha | 3010, 3011, 3012* |

*Use CH or CH when testing this code.

# FCC Compliance

## United States FCC Compliance

**Note:** This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against such interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the cable company or an experienced radio/television technician for help.

Any changes or modifications not expressly approved by Scientific-Atlanta could void the user's authority to operate the equipment.

The information shown in the FCC Declaration of Conformity paragraph below is a requirement of the FCC and is intended to supply you with information regarding the FCC approval of this device. *The phone numbers listed are for FCC-related questions only and not intended for questions regarding the connection or operation for this device. Please contact your cable service provider for any questions you may have regarding the operation or installation of this device.*

## FCC Declaration of Conformity

This device complies with *Part 15 of FCC Rules*. Operation is subject to the following two conditions: 1) the device may not cause harmful interference, and 2) the device must accept any interference received, including interference that may cause undesired operation.

AT8400 AllTouch Remote Control
Scientific-Atlanta, Inc.
5030 Sugarloaf Parkway
Lawrenceville, Georgia 30044 USA
Telephone: **770-236-1077**

## Canada EMI Regulation

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la class B est conforme à la norme NMB-003 du Canada.

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